

$$\theta_{AP(Pitch)} = \sin^{-1} \frac{f^{A_{AP}}}{\sqrt{f^{A_{AP}^2} + f^{A_{ML}^2} + f^{A_{VT}^2}}} \text{ Equation 1}$$

$$\theta_{ML(Roll)} = \sin^{-1} \frac{f^{A_{ML}}}{\sqrt{f^{A_{AP}^2} + f^{A_{ML}^2} + f^{A_{VT}^2}}} \text{ Equation 2}$$